

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO. 053466/0294	SERIAL NO. Unassigned		
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				APPLICANT Toshihiko OHTOMO, et al.		GROUP ART UNIT Unassigned	
				FILING DATE December 29, 2000			
				ATTACHED TO #24			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
<i>LH</i>	D1	5,132,405	1992	HUSTON et al.	580	3873	
FOREIGN PATENT DOCUMENTS							
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
<i>LH</i>	D1	0 533 199	3/93	EUROPE	—	—	YES
<i>LH</i>	D2	92/19759	11/92	WIPO	—	—	NO
<i>LH</i>	D3	90/07861	7/90	EUROPE	—	—	
<i>LH</i>	D4	61 47500	3/86	JAPAN <i>ABSTRACT ONLY in English</i>	—	—	
<i>LH</i>	D5	0 171 496	2/86	EUROPE	—	—	
<i>LH</i>	D6	91/09967	1991	GREAT BRITAIN	—	—	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>LH</i>	D7	S. Moruichi et al., "Characterizaton of a New Mouse...Medulloblastomas and Gliomas", Dept. of Neuro., Osaka Univ. Med. School. <i>ACO DATE</i> 1/1/93 NO 2057					
<i>LH</i>	D8	P. Carter et al., "Humanization of an Anti-p185HER2 Antibody for Human Cancer Therapy", Proc. Natl. Acad. Sci. USA, Vol. 89, No. 10, May 1992, pp. 4285-4289.					
<i>LH</i>	D9	K. Sato et al., "Reshaping a Human Antibody Inhibits the Interleukin 6-dependent Tumor Cell Growth", Cancer Research, Vol. 53, Feb. 1993, pp. 851-856.					
<i>LH</i>	D10	D. Colcher et al., "In Vivo Tumor Targeting of a Recombinant Single-Chain Antigen-Binding Protein", J. of National Cancer Institute, Vol. 82, No. 14, July 1990.					
<i>LH</i>	D11	T. Ohtomo et al., "Humanization of Mouse ONS-M21 Antibody with the Aid of Hybrid Variable Regions", Molec. Immunol., Vol. 32, No. 6, 1995, pp. 407-416.					
<i>LH</i>	D12	S. Moriuchi et al., "Characterisation of a new mouse...Medulloblastomas and gliomas", British J. of Cancer, Vol. 68, No. 5, p. 831-837. <i>1/1/2/93</i>					
<i>LH</i>	D13	J.S. Huston et al., "Protein engineering of antibody binding sites: Recovery of specific activity...", Proc. Natl. Acad. Sci. USA, Vol. 85, pp. 5879-5883. <i>1988</i> —					
EXAMINER <i>LH</i>				DATE CONSIDERED <i>10/1/02</i>			
<p>* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not consider d. Include any copy of this form with next communication to applicant.</p>							

Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 053466/0294		SERIAL NO. <u>09/749873</u> Unassigned	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				APPLICANT Toshihiko OHTOMO, et al.			
				FILING DATE December 29, 2000		GROUP ART UNIT Unassigned	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
<u>LM</u>	D14	Goshorn et al., "Common structural features among monoclonal antibodies binding the same antigenic Region of cytochrome c, J. Biol. Chem. 266:2134-2142. <u>1991</u>					
<u>LA</u>	D15	Kettleborough et al., "Humanization of a mouse monoclonal antibody by CDR-grafting: the importance... Loop conformation", Protein Engineering 4:773-783. <u>1991</u>					
<u>LA</u>	D16	Moriuchi et al., "The 6th Annual Meeting, Society for Brain and Immunology Investigation of V Region Gene Sequence...antibody (ONS-M21), 7/3/93.					
<u>60</u>	D17	Molecular Approaches to Cancer Immunotherapy", American Association for Cancer Research – Special Conference – 11/3/93, R.A. Reisfeld, chairperson.					
<u>WT</u>	D18	Ohtomo et al., "Production of Humanized Mouse Monoclonal Antibody ONS-M21", The 16th Annual Meeting, The Molecular Biology Society of Japan, 12/16/93.					
<u>TA</u>	D19	Moriuchi et al., "Production of Humanized...(ONS-M21), Dept. of Neurosurgery, Osaka Medical School, The Annual Meeting, The Japan Neurosurgical Society". <u>4/94</u>					
<u>TA</u>	D20	Moriuchi et al., "Humanization of Anti-Medulloblastoma Monoclonal Antibody (ONS-M21)", Dept. of Neuro., Osaka Med. School/Fuji-Gotemba Institute of Chugai, The 39th Kinki Noshuyo Kenkyukai. <u>4/94</u>					
<u>LA</u>	D21	The 7th Annual Meeting, Society for Brain and Immunology, "Humanization of Mouse...Glioma", Ohtomo et al. Chugai Pharm. Co., Osaka Univ. Med. Neurosurgery, 7/2/94.					
EXAMINER 				DATE CONSIDERED <u>10/1/02</u>			
<p>* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.</p>							

Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 053466/0294	SERIAL NO. Unassigned
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APPLICANT		Toshihiko OHTOMO, et al.	
		FILING DATE		GROUP ART UNIT 12/29/00 Unassigned	
		December 29, 2000			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
							YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

LAD	D22	The Annual Meeting, The Japan Neurological society, "Humanization of Mouse...Medulloblastoma and Glioma., Moiruchi et al., Dept. of Neur. Osaka Univ. Med. School/Fuji-Gotemba Inst. Of Chugai, 1994					
LAD	D23	The 17th Annual Meeting, The Molecular Biology Society of Japan, "Construction of Single-Strand...ONS-M21", Ohtomo et al.,Fuji-Goetmaba Inst. Of Chugai Pharm., Osaka Univ. Med. School of Neuros, 12/94.					
LAD	D24	The 8th Annual Meeting, Society for Brain and Immunology Humanization of Mouse Monoclonal Antibody ONS-M21, Ohtomo et al., Fuji-Gotemba Inst. Of Chugai Pharm. Co., Ltd. 8/98.					
LAD	D25	Humanization of Mouse ONS-M21 Antibody with the Aid of Hybrid Variable Regions", Molecular Immunology, Vol. 32, No. 6, pp. 407-416., June 28, 1994.					
LAD	D26	Kishima et al., "Humanization of mouse monoclonal antibody ONS-M21, directed against human Medulloblastoma and Glioma", 1994, Narito Kinen Conference.					

EXAMINER	<i>[Signature]</i>	DATE CONSIDERED	<i>10/1/02</i>
----------	--------------------	-----------------	----------------

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.